

METHOD AND APPARATUS FOR PROTOTYPING
A THREE-DIMENSIONAL OBJECT

ABSTRACT OF THE DISCLOSURE

A three-dimensional printer includes multiple printheads for printing binder
5 and/or colorant onto a bed of build material in a build chamber. The printheads can be
mounted on a gantry that is designed for reciprocal displacement across a build chamber
along a slow axis. The printheads, in turn, can reciprocally move across the gantry on a
fast axis to enable displacement of the printheads along both the fast and slow axes so
that the printheads can deposit binder liquid and/or colorant across the surface of a bed
10 of build material in the build chamber.